LINK ELECTRONICS, INC.

TWO FIELD CLOSED CAPTION DECODER
MODEL IEC-786

MADE IN THE USA

FEATURES

- **Field 1 & Field 2**
- **Captions**
- **Text**
- **XDS**
- **Baseband Video Input**
- **Baseband Video Output**
- **Differential Input**
- **Rack Mountable (Optional Tray)**

The IEC-786 is a high performance Closed Caption Decoder for the NTSC system. It is capable of processing and displaying all standard line 21 closed caption format transmissions. This includes the codes specified by the FCC Report and Order on General Docket No. 91-1 and EIA-608 recommended practices for Captions, Text and XDS in field 2.

Nine standard data channels are supported by the IEC-786: Caption channels 1 through 4 (CC1-CC4), Text modes 1 through 4 (T1 through T4), and Extended Data Services (XDS). The various operating modes are selectable from four front panel switches. Designed with the professional user in mind, the IEC-786 processes composite baseband video.

It features a high impedance looping input and two composite video outputs. A complementary differential input amplifier assures high common mode rejection while its phase-linear keyer cleanly inserts decoded characters into the video image. Differential gain and phase are well within 0.1% and 0.1° respectively.

Packaged in LINK's compact 700 Series chassis, the IEC-786 is both rugged and reliable. If desired, it may be rack mounted along side two other 700 Series units of any mix.

In addition, the IEC-786 is backed by a standard 10-year warranty. High performance, flexibility, and economy are equally represented in the IEC-786 Closed Caption Decoder.

LINK **ELECTRONICS, INC.** ◆ 2137 Rust Avenue ◆ Cape Girardeau, MO 63703-7668
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MODEL IEC-786 CLOSED CAPTION DECODER

SPECIFICATIONS

INPUT:

Video Level: . . . . . 1.0Vpp ±6dB
Impedance: . . . . . >20KΩ Looping
Connector: . . . . . BNC
Maximum DC on Inputs: . . . . . ±6.0VDC
Common Mode Range: 5Vpp
CMRR @60Hz: . . . . . >50dB

OUTPUTS:

Number: . . . . . Two
Connector: . . . . . BNC
Level: . . . . . Unity Gain
Character Video: . . . . . 90 IRE Units
Character Background: . . . . . 10 IRE Units
Impedance: . . . . . 75Ω ±1%
Frequency Response: . . . . . ±0.1dB at 15MHz
. . . . . -0.5dB at 17MHz
. . . . . -1.0dB at 18.5MHz
. . . . . -3.0dB at 26MHz
Differential Gain: 0.10%
Differential Phase: . . . . . 0.10°
Propagation Delay: 16nS
Hum and Noise: . . . . . >55dB to 5MHz
. . . . . >40dB above 5MHz
DC Offset: . . . . . <2mV, Clamped
Line Rate Tilt: . . . . . <0.1%
Field Rate Tilt: . . . . . <0.1%

ENVIRONMENTAL:

Temperature: . . . . . 0° to 50° C ambient
Humidity: . . . . . 10%/90% non-condensing
Power: 9VAR
AC Voltage: . . . . . 120/240 VAC±10%, 50/60Hz

MECHANICAL:

Height: . . . . . 1.0 inches
Width: . . . . . 5.5 inches
Depth: . . . . . 9.25 inches
Weight: . . . . . 2lbs., 9oz.

IEC-786 REAR PANEL

PRT-700 RACK TRAY

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